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## REPORT

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A radio station was in the Gorki Park near Krasnaya Street in Krasnodar (45° 1'N/39° 0'E), Krasnodar Krai. The station consisted of two wooden buildings and two braced steel towers about 40 meters high. Each tower was fitted with a U-shaped fork about one meter high. [redacted] hundreds of wooden and steel poles 2.5 to 3 meters high were set up around the radio towers. Numerous wires and cables were fastened to these poles. Five or six cables led to the radio station, where soldiers were seen, most of them apparently officers. \*

\* Comments: The report is too vague for identification of the character of the installation. It does not contain any statement of whether there was an antenna system suspended between the radio towers or, if there was no such system, how far apart these towers were. If one assumes that one antenna was suspended between the radio towers, the following interpretation is possible: The towers were not radio towers but separately anchored derrick-style antenna masts, i.e. so-called self-oscillating transmitters. Since the towers are about 40 meters high, 160 meter waves may be in use. Since the two towers have the same height and since it is improbable that two devices would serve the same purpose, it may be inferred that one of them is a reflector for a uni-directional effect with moderate directivity. Another possibility would be that the second mast is a reserve mast. If one of the masts actually is a reflector it must have been 40 meters away from the other and, judging from source's statement, this may have been the case. The many small poles with numerous wires probably are the counterweight used in place of a ground. The U-shaped forks may be ultrahigh frequency transmitters with a moderate directional effect. Thus the installation may be a medium-wave radio station with ground wave range such as is used with stationary radio stations operated by military command headquarters or government agencies. These ultrahigh frequency stations may be used for radiotelephony between a command headquarters or government agency and subordinate headquarters or mobile units (police) within a limited area.

25 YEAR RE-REVIEW

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